

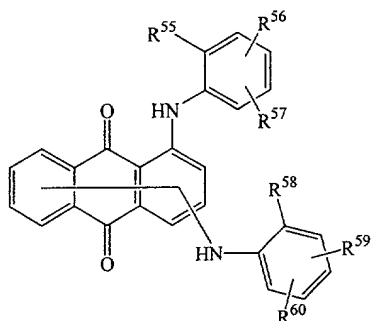
IN THE CLAIMS

1. A thermoplastic resin composition for laser welding comprising:

1) thermoplastic resin; and,

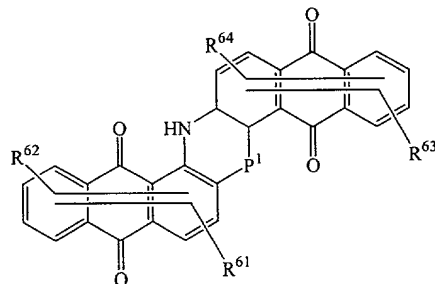
2) a laser beam transmitting black colorant comprising neutral anthraquinone dye of formula [I] or [II]

wherein formula [I] is



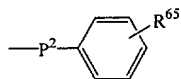
wherein R^{55} and R^{58} , which may be the same or different, are independently selected from alkyl groups having 1 to 18 carbon atoms; and R^{56} and R^{59} , which may be the same or different, are independently selected from the group consisting of alkyl, aryl, alkenyl, alkoxy, amino, N-alkylamide, N-arylamide, acyl, acylamide, alkoxycarbonyl, hydroxy, and carboxy groups and halogen atom; and R^{57} and R^{60} , which may be the same or different, are independently selected from the group consisting of H, alkyl, aryl, alkenyl, alkoxy, amino, N-alkylamide, N-arylamide, acyl, acylamide, carboxy, alkoxycarbonyl, and hydroxy groups and halogen atom,

and wherein formula [II] is



wherein R^{61} , R^{62} , R^{63} , and R^{64} , which may be the same or different, are independently selected from the group consisting of H, alkyl, alkenyl, aryl, alkoxy, amino, N-alkylamide, N-arylamide, acyl, acylamide, carboxy, alkoxycarbonyl, hydroxy group, halogen atom, formula [II-a], and P^1 is NR^{66} or CO, wherein R^{66} is H, alkyl, or aryl groups.

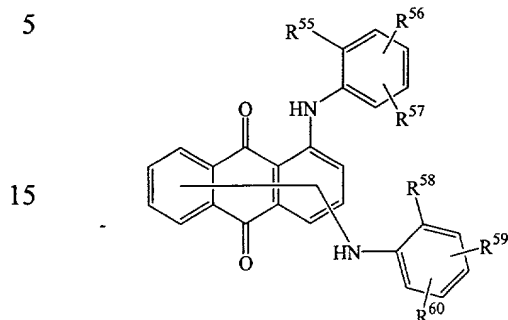
formula [II-a] is:



wherein P^2 is NH or NHCO; R^{65} is H, alkyl, aryl, alkoxy, amino, hydroxy, or halogen atom.

2. The composition of Claim 1 wherein the thermoplastic resin is polyamide or polyester.
3. The composition of Claim 1 further comprising a second dye mixed with said neutral anthraquinone dye to produce said black colorant.
4. The composition of Claim 3 wherein said second dye is selected from the group consisting of perinone dyes, monoazo complex dyes, and anthraquinone dyes.
5. The composition of Claim 1 further comprising reinforcing agent.
6. A transparent article formed from the composition of Claim 1.
7. An article formed by laser welding opaque articles with the transparent article of Claim 5.
8. A black colorant suitable for being mixed with a thermoplastic resin and for laser welding, comprising a mixture of neutral anthraquinone dye of formula [I] or [II] which imparts color of blue, absorbs visible light with wavelength less than 700 nm and transmit a laser beam with wavelength at 800 nm to 1200 nm in infra-red region with at least one other red dye which transmits the laser beam with wavelength at 800 nm to 1200 nm in infra-red region.

formula [I] is ;

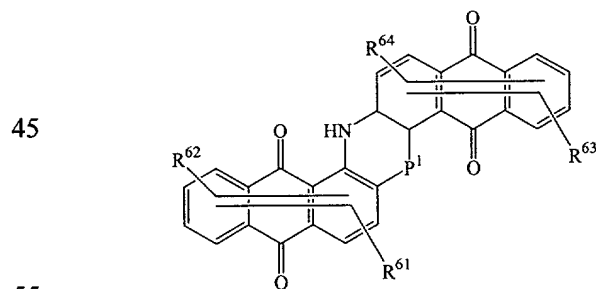


wherein R⁵⁵ and R⁵⁸, which may be the same or different, are independently selected from alkyl groups having 1 to 18 carbon atoms; and R⁵⁶ and R⁵⁹, which may be the same or different, are independently selected from the group consisting of alkyl, aryl, alkenyl, alkoxy, amino, N-alkylamide, N-arylamide, acyl, acylamide, alkoxycarbonyl, hydroxy, and carboxy groups and halogen atom; and R⁵⁷ and R⁶⁰, which may be the same or different, are independently selected from the group consisting of H, alkyl, aryl, alkenyl, alkoxy, amino, N-alkylamide, N-arylamide, acyl, acylamide, carboxy, alkoxycarbonyl, and hydroxy groups and halogen atom,

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and

35 formula [II] is ;



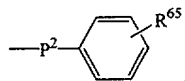
wherein R⁶¹, R⁶², R⁶³, and R⁶⁴, which may be the same or different, are independently selected from the group consisting of H, alkyl, alkenyl, aryl, alkoxy, amino, N-alkylamide, N-arylamide, acyl, acylamide, carboxy, alkoxycarbonyl, hydroxy group, halogen atom, formula [II-a], and P¹ is NR⁶⁶ or CO, wherein R⁶⁶ is H, alkyl, or aryl

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groups.

formula [II-a] is:

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wherein P² is NH or NHCO; R⁶⁵ is H, alkyl, aryl, alkoxy, amino,

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hydroxy, or halogen atom.